

Preparation of alkapolyenyl compounds, use of particular cocatalysts and use of the process products

5 Abstract

A process for preparing alkapolyenyl compounds by homogeneously catalyzed reaction of 1-substituted alka-2,7-dienes of the formula I and/or 3-substituted alka-1,7-dienes of the formula II, 10 in particular octa-2,7-dienyl ethers, in the presence of rhodium compounds is carried out using at least one mineral acid and/or at least one inorganic halide dissolved in the reaction mixture as cocatalysts. The process products can be employed as intermediates in the preparation of surface-active materials.

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